



CDF Operations Report

Mary Convery (Rockefeller)

Bob Wagner (ANL)

Mark Mattson (Wayne State)

All Experimenters Meeting

July 3, 2006



Status of the detector

- Solenoid lost dry engine Thurs morning, down for about 14 hours (also wet engine work and had to make up helium)
 - Solenoid tripped again Sat morning when flow readjusted
- Luminosity counters
 - Still under/over-estimated at various times during the week
 - Fixed now
 - Turned off along with other HV for a few hours after solenoid trip
- Muon detectors
 - Frequent trips in one section due to humidity
 - Re-segmented HV during access Tues to isolate problem
 - Repaired on access this morning
 - LV work on access Tues to fix oscillation
- Many low-priority access tasks which can wait until we have an access long enough to open the detector



DAQ

- Clock problems due to LLRF work this morning
 - Tripped off silicon detector
 - All ok now
- Level 3 trigger nodes now running Scientific Linux by default



Store Summary

Date	Store	Lum (E30)	Delivered (pb ⁻¹)	To tape (pb ⁻¹)	Effic	Comments
Su 6/25	4798	85	2.8	2.5	87%	silicon out at times due to DAQ, high losses, TEL trip
M 6/26	4799	106	4.0	3.5	88%	bad shower max calibration
Tu 6/27	4802	108	3.7	2.9	80%	SVX DAQ problems at start of store, down for period after apparent sep spark
Th 6/29	4804	127	~5	1.9	~40% (83%)	solenoid down, luminosity monitor off for a few hours
F 6/30	4805	148	>5.2	4.4	<86%	solenoid trip, luminosity monitor off briefly
Sa 7/1	4808	124	4.9	4.3	88%	smooth!
Total			~26	19.5		

- Luminosity underestimated due to board with bad threshold
- Luminosity overestimated due to board with incorrect timing
- Will be corrected offline
- Luminosity correct since store 4805